

Dell Wyse Device Manager (WDM)

Version 5.0



Contents

Release Type and Definition	4
Version	4
Release Date	4
Previous Version	4
Importance	4
Support Information	4
Supported Operating Systems for WDM Server	4
Supported Platforms for GUI	5
Upgrades	5
Supported Databases	5
Supported Dell Wyse Thin Client Platforms	6
Upgrading WDM	7
WDM Features by Platform	8
Versions of Thin Client Operating Systems Required for New WDM 5.0 features	10
Deprecated Features	12
What's New in WDM 5.0	12
New WDM Installer	12
Installer Matrix	13
WDM High-Availability: Database Clustering	13
WDM High-Availability: Load Balancer	13
CIFS (SMB Protocol) Software Repository	14
Relay Wake on LAN	14
Relay Wake on LAN Matrix	14
Send Message	14
Send Message Matrix	14
Reset OS Settings	14
Reset OS Settings Matrix	15
Peer Assisted Deployment (PAD)	15
Dell Wyse Configuration Manager (WCM)	15

WCM Matrix:	15
Profile Manager	16
Profile Manager Matrix	16
Chargeback Accounting	16
Supported Features for P-class Devices	16
New PColP Device Configuration for P-Class Devices	17
Utilities	17
Configuration Manager	17
Database Credential Manager	17
DNS_DHCP_Lookup	18
MgmtConsoleExtract (Remote GUI Extractor)	18
Script Builder	18
HAConfigureUtility	18
WDM Imaging Tool	19
Enhanced End-user Notification of Updates	19
Enhanced Default Device Configuration (DDC)	19
Service Logs	19
File-based Logging for all Services	20
Enhanced Diagnostic Report	20
Enhanced XML Validation for Merlin Images	20
WDM 5.0 Supported Build & WDM Agent List Validation for SUSE Linux	20
WDM 5.0 Supported Build & WDM Agent List Validation for ThinOS	21
WDM 5.0 Supported WDM Agent List Validation for Windows Embedded Thin Clients	21
Known Issues/Limitations	22
Software Information	23

Release Type and Definition

Dell Wyse Device Manager (WDM) software is the premier enterprise solution for managing Dell Wyse thin and zero clients simply, remotely, and securely. It enables IT professionals to easily organize, upgrade, control, and support thousands of Windows Embedded, Windows CE, Linux, Wyse ThinOS, Xenith, and P-Class devices across any LAN, WAN, or wireless network.

The software uses industry standard communication protocols and a component-based architecture to efficiently manage your network devices. Its intuitive, simple and powerful user interface is built to operate as a standard snap-in to the Microsoft Management Console (MMC). Dell Wyse Device Manager (WDM) includes an easy-to-use console that enables you to easily perform all the device management functions that are required to run and maintain your WDM Environment.

Version

WDM 5.0 Build 707 (Adds support for installation on additional language versions of Windows OS; updated from build 636)

Release Date

May 30, 2014

Previous Version

- WDM 4.9.1 with all four released hotfixes.
- This version of WDM 5.0 replaces the previously released version of WDM 5.0, build 636 on April 16, 2014, for installation on US English OS versions. Build 707 adds support for installation on additional language versions of Windows OS.

Importance

Dell Wyse recommends applying this update during your next scheduled update cycle. The update contains major feature enhancements or changes that help keep your system software current and compatible with other system modules.

Support Information

Supported Operating Systems for WDM Server

- Windows 2008 R2 SP1 Enterprise Edition
- Windows 2008 SP2 32-bit
- Windows 2012 Standard
- Windows 2012 Standard R2
- Windows 7 (32-bit)
- Windows 7 (64-bit)

WDM can be installed on English language OS versions of all the above operating systems. WDM can also be installed on the following language versions of Windows 2008 R2 SP1 Enterprise Edition and Windows 2012 Standard R2:

- French
- German
- Spanish
- Japanese

Note: Language localized characters cannot be used for the following:

- File names of WDM .rsp packages (Scripting file for deploying software packages using WDM)
- Hostname of WDM Server
- Send messages

Supported Platforms for GUI

WDM Enterprise edition customers can install the GUI on one or more computers. The WDM GUI can be installed on the following operating systems:

- Windows 2003 R2 SP2 (only for upgrades from WDM 4.9.1)
- Windows 2008 SP2 32-bit
- Windows 2008 R2 SP1 Enterprise
- Windows 2012 Standard
- Windows 2012 Standard R2
- Windows 7 (32-bit)
- Windows 7 (64-bit)

Upgrades

WDM 5.0 can be upgraded from WDM 4.9.1 running

- Windows 2003 R2 SP2
- Windows 2008 SP2 32-bit
- Windows 2008 R2 SP1 Enterprise

Supported Databases

The following databases can be installed on the Database Server:

- Microsoft SQL Server 2005
- Microsoft SQL Server 2008
- Microsoft SQL Server 2008 R2 - English
- Microsoft SQL Server 2008 R2 Express – English (default, built-in option in Installer)
- Microsoft SQL Server 2012
- Microsoft SQL Server 2008 Enterprise (32 -bit).

Supported Dell Wyse Thin Client Platforms

WDM supports the following thin client systems:

Thin Client Operating System	Supported Devices
Wyse ThinOS	<ul style="list-style-type: none"> • C10LE • R10 • T10 • T10D • D10 • D10DP • 5212
Wyse Enhanced Microsoft Windows Embedded Standard 2009 (WES2009) build 641 or later	<ul style="list-style-type: none"> • C90LEW • D90DW • R90LW • R90LEW • V90LEW • X90CW • X90MW • Z90DW • Z90SW
Wyse Enhanced Microsoft Windows Embedded Standard 7 (WES7) build 818 or later	<ul style="list-style-type: none"> • C90LE7 • D90D7 • D90Q7 • R90L7 • R90LE7 • X90c7 • X90m7 • Z90D7 • Z90DE7 • Z90S7 • Z90Q7
Wyse Enhanced Microsoft Windows Embedded Standard 7P build 850 or later	<ul style="list-style-type: none"> • X90m7p • Z90D7p • Z90DE7p • Z90S7p
Wyse Enhanced Microsoft Windows Embedded 8 Standard (32-bit) (WE8S)	<ul style="list-style-type: none"> • D90D8 • Z90D8 • Z90D8E

Wyse Enhanced Microsoft Windows Embedded 8 Standard (64-bit) (WE8S)	<ul style="list-style-type: none"> • D90D8 • D90Q8 • Z90D8 • Z90Q8
Wyse Enhanced SUSE Linux Enterprise	<ul style="list-style-type: none"> • C50LE • D50D • R50L • R50LE • X50c • X50M • Z50D • Z50S
Wyse Enhanced Ubuntu Linux	<ul style="list-style-type: none"> • T50
Wyse Xenith	<ul style="list-style-type: none"> • Xenith • Xenith 2 • Xenith 3 • Xenith Pro
PCoIP/ViewZero Client	<ul style="list-style-type: none"> • P20 • P25 • P45

Upgrading WDM

The current version of WDM supports an upgrade only from WDM version 4.9.1. If you have an older version of WDM, you must first upgrade to version 4.9.1 and then upgrade to the latest version.

NOTE: After you upgrade to WDM version 5.0, you must upgrade all devices with the latest WDM Agent (HAgent) packages available to make sure your devices can be managed using WDM.

Before you upgrade, make sure to apply the following hotfix patches on the WDM 4.9.1 installation:

- HF04091034412_1
- HF04091013713_2
- HF04091025213_3
- HF04091031613_4

To upgrade to WDM version 5.0:

- 1) Extract the contents of the WDM installer on the system where you have installed WDM version 4.9.1.
- 2) Navigate to the folder where you have extracted the installer and run Setup.exe. The Welcome screen is displayed.
- 3) Click **Next**.
The **Component Information** screen is displayed with the list of components that need to be upgraded.
- 4) Click **Next**.
- 5) Read the Security Information carefully and click **Next**.
The upgrade process begins.
- 6) After the upgrade process is complete, click Restart Now for the system changes to take effect before you start using WDM.

NOTE:

- The Security Information prompts you to configure the Secure Communications on your system. For more information, see the Dell Wyse Device Manager Installation Guide. WDM 5.0 enables HTTPS by default for new installations only. WDM upgrades do not change the mode to HTTPS automatically.
- After you upgrade to WDM 5.0, and do not find the installation log files in the installation folder, then navigate to the Windows temp folder by typing %temp% in the Start menu, and view the log files (Detail_WDMInstall.log and Summary_WDMInstall.log).

WDM Features by Platform

WDM supports management of all Dell WYSE thin and zero client platforms, including P-class (P20, P25, P45) for VMware Horizon View environments. This section provides high-level details on features available for supported platforms.

WDM Features	Workgroup edition	Enterprise edition	Windows Embedded	WYSE ThinOS Xenith	Linux
Managed devices	Free, up to 10,000	Paid, per-seat, tens of 000's	WE8S, WES7, WES2009, XPe, CE	Yes	SUSE, Ubuntu
CIFS (Windows File Share) software repository*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	WE8S, WES7, WES2009	Yes	SUSE
Default HTTPS mode for Secure Management*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Yes	Yes	Yes
Relay Wake-on-LAN (WoL)*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	WE8S, WES7, WES2009	Yes	SUSE

WDM Features	Workgroup edition	Enterprise edition	Windows Embedded	WYSE ThinOS Xenith	Linux
Chargeback Accounting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Yes	
Enhanced End-user Notification of updates*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	WE8S, WES7, WES2009		SUSE
Reset OS Configuration *	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		Yes	SUSE
SQL authentication: Mixed and Windows mode*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Profile Manager for Windows Embedded*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	WE8S, WES7, WES2009		
Enhanced Logging and Service Logs Window*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
New Settings for P-class Devices*	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
GUI Extractor		<input checked="" type="checkbox"/>			
High Availability (HA)*		<input checked="" type="checkbox"/>	WE8S, WES7, WES2009		SUSE 112062 MR4 Build
Peer Assisted Deployment (PAD)*		<input checked="" type="checkbox"/>	WES7		SUSE
Administrator Delegation (from Active Directory) and Role-based Management for Groups and Views		<input checked="" type="checkbox"/>			
Smart Scheduling by Time Zone (of device, WDM GUI, WDM server)		<input checked="" type="checkbox"/>			
Automated Profile-based Device Management (DDC)		<input checked="" type="checkbox"/>	All platforms		
Distributed Architecture for Scalability	Single server	Distributed			

WDM Features	Workgroup edition	Enterprise edition	Windows Embedded	WYSE ThinOS Xenith	Linux
Maximum Simultaneous Updates	25	500			
Asset Grouping*	3 Groups	90 Groups			

Note:

- * implies new features in WDM 5.0.
- Platform-specific features of WDM 5.0 require the latest released WDM agents and OS/firmware on the devices.
- High Availability and Load Balancing on other platforms will be available in the future when the respective WDM Agents are released.

Versions of Thin Client Operating Systems Required for New WDM 5.0 features

	WDM Agent Version	OS Image Version
Windows Embedded 8 Standard (WE8S) – 32 bit	6.3.2.54	904
Windows Embedded 8 Standard (WE8S) – 64 bit	6.3.2.54	907 (Z-class devices) 908 (D-class devices)
Windows Embedded Standard 7 (WES7)	6.3.2.54	858
Windows Embedded Standard 2009 (WES2009)	5.2.1.30	723 (Z-class devices) 728 (D-class devices) 716 (X90MW)
SUSE Linux	5.3.09	MR4 Build 112062
ThinOS		8.0 MR3
ThreadX OS (P-class devices: P20, P25, P45)	NA	P20 Firmware version - tera1_4-2-0-b2_r4_2@14897 P25 and P45 Firmware version - tera2_4-1- 2_r4_1_2@14565

Note: The OS Image Version on the thin client devices may not have the latest WDM Agent version installed. Make sure you update the WDM Agent to version 6.3.2.54 for WE8S (32 and 64 bit), WES7, and WES7p, version 5.2.1.30 for WES2009, and version 5.3.09 for SUSE Linux.

Deprecated Features

The following features are deprecated in WDM 5.0

- AutoAgent upgrade feature
- Support for Wisard-based imaging
- Change Network Information for multiple devices from the **WDM Console > Device Manager** node.
- Quick Find Feature in the WDM GUI

What's New in WDM 5.0

This section provides details on the new features added in this release.

New WDM Installer

WDM now comes packaged in a new installer with enhanced features that include: –

- New look and feel of the installer.
- Simplified installations for both workgroup and enterprise versions of WDM.
- License key is pre-populated for the 30 days Enterprise Evaluation and the Workgroup versions.
- Support for installing services such as the DHCP Proxy, TFTP, and ThreadX.
- Windows authentication support for the WDM Database (RapportDB).
- Default installation of secure communication mode (HTTPS) for WDM.
- Support for CIFS and HTTPS protocols for the software repository during installation.
- Customized user option for Software Repository and WDM Database (RapportDB).
- The installer now provides detailed Installation logs under the folder you have specified for WDM installation. For example, **C:\ProgramFiles\Wyse\WDM**. The files are **Detail_WDMInstall** and **Summary_WDMInstall**.
- The Administrator installing WDM must provide passwords for the WDM database and software repositories. There are no default passwords. The WDM database password is also set for the SQL administrator 'sa', which must be used for uninstallation.

Installer Matrix

Windows Server 2012 Standard R2						
WDM Database (RapportDB) Authentication	SQL			Windows		
	Enterprise	Workgroup	Distributed	Enterprise	Workgroup	Distributed
Windows 2012 R2 + SQL 2008 R2 Express	✓	✓	✓	✓	✓	✓
Windows 2012 R2 + SQL Server 2008 R2	✓	✓	✓	✓	✓	✓
Windows 2012 R2 + SQL Server 2008	✓	✓	✓	✓	✓	✓
Windows 2012 R2 + SQL Server 2012	✓	✓	✓	✓	✓	✓

Windows Server 2008 R2 SP1						
WDM Database (RapportDB) Authentication	SQL			Windows		
	Enterprise	Workgroup	Distributed	Enterprise	Workgroup	Distributed
Windows 2008 R2 SP1+SQL Server 2005	✓	✓	✓	✓	✓	✓
Windows 2008 R2 SP1 + SQL 2008 R2 Express	✓	✓	✓	✓	✓	✓
Windows 2008 R2 SP1 + SQL Server 2008 R2	✓	✓	✓	✓	✓	✓
Windows 2008 R2 SP1 + SQL Server 2008	✓	✓	✓	✓	✓	✓
Windows 2008 R2 SP1 + SQL Server 2012	✓	✓	✓	✓	✓	✓

WDM High-Availability: Database Clustering

WDM Enterprise edition supports scalability to manage tens of thousands of devices using distributed architecture for WDM server, WDM database and remote software repositories. For higher reliability in managing devices WDM can be configured to use a clustered database setup and load balancing with multiple WDM servers. Devices connect to the virtual WDM server and the load balancer assigns an available, active, WDM server. If a particular WDM server is unavailable, other WDM servers are used to manage the devices.

WDM High-Availability: Load Balancer

Load balancing allows for distributing workloads across multiple resources. In this setup, you can install and run multiple instances of WDM servers on different computers and configure the load balancing feature between them. WDM uses the

Microsoft Application Request Routing (ARR) of IIS 7 to perform load balancing, using DNS round-robin selection or other methods, between the available WDM management servers. For more information, see the Dell Wyse Device Manager Installation Guide.

CIFS (SMB Protocol) Software Repository

WDM now supports the CIFS/SMB protocol in the software repository. The WDM Agent can now use the CIFS protocol for repository communication along with the existing FTP, HTTP, and HTTPS protocols. You can now use a Windows file server as a CIFS repository.

WDM also supports the CIFS/SMB protocol for Merlin Imaging.

The WDM Agent now has the following preferences for communicating with the repository:

1. HTTP(s)
2. FTP
3. CIFS

Relay Wake on LAN

This feature is used to send Wake on LAN (WOL) messages to one or more devices in different subnets. You can now send WOL packets to the devices across subnets.

Relay Wake on LAN Matrix

Feature	WES2009	WES7	WES7P	WE8S-64bit	WE8S-32bit	ThinOS	SUSE Linux
Relay Wake On LAN	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Send Message

This feature provides the ability to send specific messages to the registered thin clients through WDM Administrative console.

Send Message Matrix

Feature	WES2009	WES7	WES7P	WE8S-64bit	WE8S-32bit	ThinOS	SUSE Linux
Send Message	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Reset OS Settings

You can now reset the OS settings for the device to the Factory settings by deploying the ResetOSSettings package on Linux and ThinOS devices

Reset OS Settings Matrix

Feature	ThinOS	SUSE Linux
ResetOSSettings	Yes	Yes

Peer Assisted Deployment (PAD)

Peer Assisted Deployment (PAD) is a mechanism that provides updates such as base images and add-ons to thin client devices that are managed through the WDM server. This mechanism works best in an environment where the devices are spread across multiple subnets. In peer assisted deployment, the WDM server chooses a set of devices that act as the repository servers for other devices within their respective subnets. Therefore, updates are delivered from peer nodes to other devices and hence the term peer assisted deployment.

PAD is currently supported on the following platforms:

Operating Systems	Platforms		
WES7	Z90D7, Z90Q7	D90D7, D90Q7	
SUSE Linux	Z50D	D50D	X50M

Dell Wyse Configuration Manager (WCM)

Dell Wyse Configuration Manager (WCM) can now be launched from WDM and you can create and apply configuration files to thin client devices running Microsoft Windows Embedded Standard operating systems. This feature requires WCM 1.3.1 client to be installed on the devices. For more information, see the *Dell Wyse Configuration Manager Administrator's Guide* available on the Dell Wyse Support Site.

WCM Matrix:

Operating Systems	Platforms
WES7	D90Q7/D90D7/Z90Q7
WES7P	Z90D7p
WES 2009	Z90DW/X90MW
WES8S 32 bit	D90D8x
WE8S 64 bit	D90Q8/Z90Q8

Profile Manager

Profile Manager enables you to deploy a predefined configuration on a specified group of devices. These configurations are those that you create using WCM and save them in a specified repository.

Profile Manager Matrix

Operating Systems	Platforms
WES7	D90Q7/D90D7/Z90Q7
WES 2009	Z90DW/X90MW
WE8S 64 bit	D90Q8/Z90Q8

Chargeback Accounting

This feature is supported on Wyse Thin OS (ThinOS) devices. It collects and stores remote session information from thin clients. The information is stored only if this feature is enabled in **Configuration Manager > Preferences > Device Manager Preferences**. This feature:

- Supports retrieval of customized reports for Chargeback Accounting using the **Remote Session History Report** and **Remote Session Summary Report**.
- Displays the remote session information for ThinOS in the Remote Session Asset Information tab on the WDM Console.

Note: To get the user name and the domain name in the Chargeback Accounting report, you must provide the user name and domain name in the connection manager when you create the RDP and ICA settings. If you do not specify these details, the WDM Agent does not report the user name and domain name and these details are not reflected in the wnos.ini file.

Supported Features for P-class Devices

WDM provides a detailed set of features for managing P-class zero clients (P20, P25, P45) for VMware Horizon View environments. In addition to normal management functions WDM Enterprise class features such as automated policy-based management (DDC), administrator delegation, role-based management and others can be used with P-class.

- Automatic discovery (via DNS SRV record _pcoip-tool on port 50000)
- Inventory: hardware, software, network
- Real-time commands (reboot, shutdown, Wake-on-LAN)
- Firmware updates and certificate deployment
- Asset tags, grouping and Views

New PCoIP Device Configuration for P-Class Devices

WDM 5.0 now supports new PCoIP Device configurations. The following table provides the list of configurations.

PCoIP Device Configurations	P20	P25	P45
Admin Password	✓	✓	✓
Certificate	✓	✓	✓
DisableVDMUserNameCaching	✓	✓	✓
DisableWebInterface	✓	✓	✓
Enable WakeOnLAN	NA	✓	✓
Event Log	✓	✓	✓
Language	✓	✓	✓
PowerOnAfterPowerLoss	NA	✓	✓
RDP	✓	NA	NA
Time Zone	✓	✓	✓
USBPermissions	✓	✓	✓
Video	✓	✓	✓
VMware View	✓	✓	✓

Note: RDP is supported only on P20 devices with older firmware version 3.2.2.

Utilities

A complete installation of WDM includes the utilities that can be accessed from Start > All Programs > Wyse Device Manager > Utilities.

Configuration Manager

Dell Wyse Configuration Manager provides a simple solution to create and apply configuration files to Wyse thin clients running Microsoft Windows Embedded Standard. Configurations can be deployed by dragging and dropping the package on the device in the WDM Console, or by using the Profile Manager.

Database Credential Manager

This utility enables you to view the details of the WDM database and also create new credentials to access the database.

DNS_DHCP_Lookup

This utility enables you to find out the method that has been configured in the network to discover WDM by the client.

MgmtConsoleExtract (Remote GUI Extractor)

This utility is also known as the Remote GUI Extractor and provides a quick and easy method of deploying the WDM Management Console to remote computers. You can run multiple instances of the WDM Console on different systems at any given point.

The following matrix shows the platforms from which the package was extracted and the platforms on which it was deployed.

Remote GUI Extractor						
Source Server	Destination Server					
	Windows Server 2012	Windows Server 2012 R2	Windows Server 2008 SP1	Windows Server 2008 SP2	Windows 7	Windows 7 64-bit
Windows Server 2012 Standard	✓	✓	✓	✓	✓	✓
Windows Server 2012 Standard R2	✓	✓	✓	✓	✓	✓
Windows Server 2008 R2 Sp1	✓	✓	✓	✓	✓	✓
Windows Server 2008 SP2 32bit	✓	✓	✓	✓	✓	✓
Windows 7 32bit	✓	✓	✓	✓	✓	✓
Windows 7 64bit	✓	✓	✓	✓	✓	✓

Script Builder

This utility enables you to create your own software packages using the WDM Scripting Language.

A software package consists of a script (.rsp) file and any required application or image files.

You can create a software package, then register and distribute it to one or more devices using WDM.

HAConfigureUtility

This utility is used when you are setting up a High Availability environment and/or clustering the database. This utility helps WDM to connect to the cluster in order to function within the cluster and ensure that there is zero downtime. This utility is available after you install WDM.

WDM Imaging Tool

The WDM Imaging Tool is a mass imaging tool. You can deploy an image to multiple devices of the same platform by using this tool. You can create a schedule to deploy the image to the discovered devices. This tool will be deprecated in future releases of WDM.

Enhanced End-user Notification of Updates

The WDM GUI preferences now have an additional option that enables the administrator to set a custom message for end-users when deploying updates. The available options are:

1=Now only

2=Delay 5 Minutes only

3=Now and Delay 5 Minutes (2 buttons will be displayed)

4=Update on Log in only

5=Now and Update on Log in

6=Delay 5 minutes and Update on Log in

7=Now, Delay 5 minutes and Update on Log in (3 buttons will be displayed)

8=Custom message with configurable notification and postpone reminder

When you select option 8, the WDM GUI displays a window with options to enter the following values:

1. User defined message up to 128 characters
2. No. of times user can defer the update (max 10)
3. Delay time in minutes

Enhanced Default Device Configuration (DDC)

This feature prevents the re-imaging of clients when deploying only BIOS or CMOS as part of the WDM package.

Now, DDC will consider imaging of BIOS and non-PXE components as packages and not as OS images.

Service Logs

GUI Logs –Details the activity on the WDM GUI.

Web Services Log - Details the activity of the WDM Web Services for device management.

- TFTP Log - Details the Trivial File Transfer Protocol activity for distributing software packages to devices.
- Standard Services Log - Details the activity of the WDM Standard Services.
- DHCP Log - Details the activity of the WDM Dynamic Host Configuration Protocol as it assigns IP addresses to devices.

File-based Logging for all Services

WDM now supports file-based logging for all WDM Services. These files are located in the WDM Installation folder. For example, C:\ProgramFiles\Wyse\WDM. The files are:

- HServer (main logs for WDM Server)
- Recurring Scheduler
- ThreadX (for P-class devices)

Enhanced Diagnostic Report

The Diagnostic Report launched from the WDM Console > Configuration Manager node, now displays the Actual and the Expected versions of the WDM components.

Enhanced XML Validation for Merlin Images

WDM now supports enhanced validation for correctly constructed XML files that accompany the Merlin images.

WDM 5.0 Supported Build & WDM Agent List Validation for SUSE Linux

Feature / (OS Version) (Agent Version)	Description	(112038) (5.2.86)	(112053)(5.2.93)	(112053)(5.3.09)
Check-in	Device check-in in WDM server	✓	✓	✓
Real Time commands	Refresh Device information	✓	✓	✓
	Change Device information	✓	✓	✓
	Change Network information	✓	✓	✓
	Reboot	✓	✓	✓
	Shutdown	✓	✓	✓
	WOL	✓	✓	✓
	Send Message	NA	NA	✓
Package Deployment	Reboot	✓	✓	✓
	Shutdown	✓	✓	✓
	WOL	✓	✓	✓
	WDM Agent Upgrade	✓	✓	NA

Auto Discovery	WDM 5.0	✓	✓	✓
-----------------------	---------	---	---	---

Note: The package drag-and-drop feature and PAD imaging will not work on Linux devices having the latest build with the latest WDM Agent version 5.3.09, when windows authentication is enabled on WDM 5.0 with the HTTPS protocol enabled.

WDM 5.0 Supported Build & WDM Agent List Validation for ThinOS

Feature / Firmware Version	ThinOS	8.0_210	. 8.0_214	8.0_303.05
	WDM Agent			
Check-in	Device check-in in WDM server	✓	✓	✓
Real Time commands	Refresh Device information	✓	✓	✓
	Change Device information	✓	✓	✓
	Reboot	✓	✓	✓
	Shutdown	✓	✓	✓
	WOL	✓	✓	✓
	Send Message	NA	NA	✓

WDM 5.0 Supported WDM Agent List Validation for Windows Embedded Thin Clients

Feature / Agent Version	Description	6.1.0.12	6.1.0.14	6.1.0.19	6.1.0.25	6.1.0.39	6.3.2.54
Check-in	Device check-in in WDM server	✓	✓	✓	✓	✓	✓
Real Time commands	Refresh Device information	✓	✓	✓	✓	✓	✓
	Change Device information	✗	✓	✓	✓	✗	✓
	Change Network information	NA	NA	NA	NA	NA	NA

	Reboot	✓	✓	✓	✓	✓	✓
	Shutdown	✓	✓	✓	✓	✓	✓
	WOL	✓	✓	✓	✓	✓	✓
	Send Message	✗	✗	✗	✗	✗	✓
Package Deployment	Reboot	✓	✓	✓	✓	✓	✓
	Shutdown	✓	✓	✓	✓	✓	✓
	WOL	✓	✓	✓	✓	✓	✓
	Hagent Upgrade	✓	✓	✓	✓	✓	✓
Auto Discovery	WDM 4.9.1	✓	✓	✓	✓	✓	✗
	WDM 5.0	✓	✓	✓	✓	✓	✓

Known Issues/Limitations

TIR	Summary	Causes / Details	Solution / Workarounds
TIR78084	When PAD imaging is in progress and the Master device shuts down, the merlin screen displays a message that peer imaging is complete, even if the image download is only 20% complete.	No functionality is broken in this case. Only the Progress status information for PAD imaging on WES7 Z-class and D-class devices changes.	NA
TIR78352	During PAD imaging, if one of the master devices moves to the error state when the peer imaging is in progress, the device does not get the IP addresses of the other master devices in spite of completing the Merlin Retry count.	If the Master device goes down the associated Peer device does not contact the active master device.	Delete the PAD schedule and re-image the device.
TIR77031	In PCoIP Device Configuration Packages, the USB permissions get added for invalid device classes even if the package distribution task moves to the Error state.	The task moves to the Error state in the WDM GUI because the invalid device classes are getting added.	Go to the WEB UI for that device and delete the invalid class ID.
TIR76404	CIFS Test Connection does not fail if you provide any value other than the Domain or Host Name.	The CIFS connection is not authenticated with the current domain or host name.	NA

TIR	Summary	Causes / Details	Solution / Workarounds
TIR78213	When generating the Client Package report, and you select the clients from the subnet view and add them, the following warning message is displayed: "No items have been selected in the Group or Group selection Listbox (es)"	The warning message is displayed when you try to generate the Client Package Report for 40,000 subnets and 63,000 devices.	NA

Software Information

File Name	Size	Version	Build	MD5
WDMv5.0_INT.exe	548,139,752 bytes (523 MB)	5.0	707	F3A44E0337D69BBB473BF94970DFA5E8
PADService_SysprepScript_WES7.exe	188,416 bytes (184 KB)	5.0.0.628	NA	7E90A26D0B741BC50C4D4AAA6E3C169C

For MD5, you use express Checksum Calculator from Irnis.net (<http://www.irmis.net/>).

© 2014 Dell Inc.

Trademarks used in this text: Dell™, the Dell logo, vWorkspace®, and Wyse® are trademarks of Dell Inc. Microsoft®, Windows® Embedded Standard 2009, Windows® Embedded Standard 7, Windows® Embedded Standard 8, Windows Server®, and Internet Explorer®, are either trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries. Citrix®, Xen®, XenServer® and XenMotion® are either registered trademarks or trademarks of Citrix Systems, Inc. in the United States and/or other countries. VMware®, Virtual SMP®, vMotion®, vCenter® and vSphere® are registered trademarks or trademarks of VMware, Inc. in the United States or other countries. IBM® is a registered trademark of International Business Machines Corporation.